## SOFTWARE USAGE AGREEMENT FOR Government Purposes Only - Intra-NASA Release of NASA Ames Research Center SOFTWARE

## (Name of NASA Center, Department/Division, Project)

(hereinafter RECIPIENT) has requested that the United States Government as represented by the National Aeronautics and Space Administration, Ames Research Center, located at Moffett Field, California 94035-1000 (hereinafter NASA), release the following computer software:

Name of Software to be released: Automated Triangle Geometry Processing For Surface

Modeling And Cartesian Grid Generation (CART3D)

Version 1.3

**NASA Technology Number:** ARC-14275-1 (hereinafter SOFTWARE)

**Description of Software:** Cart3D is a high-fidelity inviscid analysis package for conceptual and preliminary aerodynamic design. It allows users to perform automated CFD analysis on complex geometry. The package includes utilities for geometry import, surface modeling and intersection, mesh generation and flow simulation. Currently the package includes two flow simulation codes, Tiger, and flowCart.

Additional information about the software is located at the following web site: http://people.nas.nasa.gov/~aftosmis/cart3d/

**Software code to be released:** Source

## **NASA Technical Point of Contact:**

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